Use Attainability Analysis

for

WBID 1680 St. Johns Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

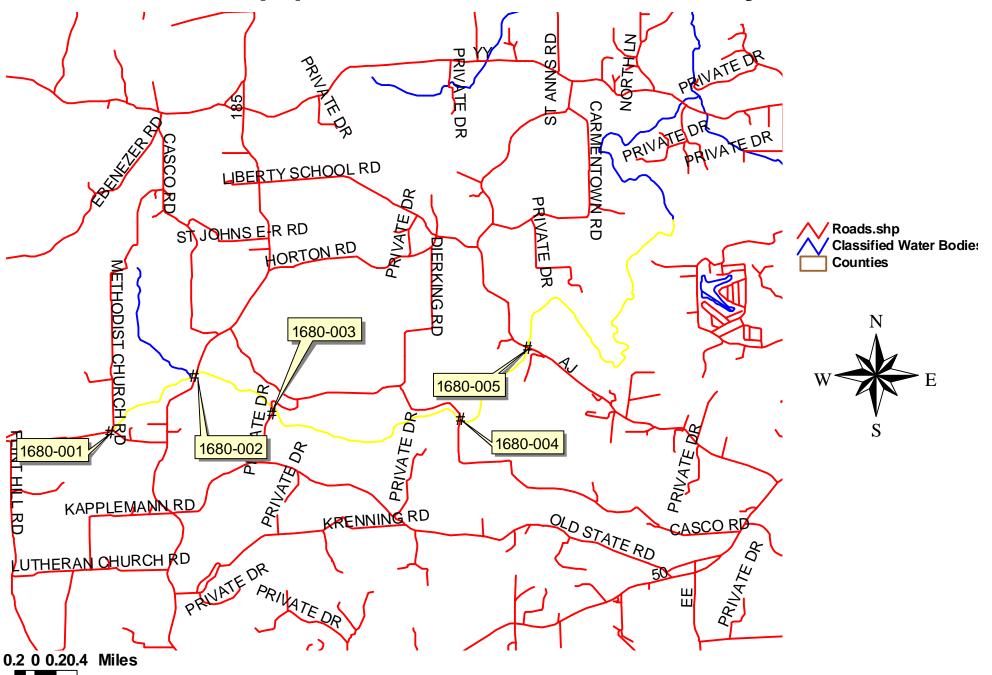
RECEIVED

Data Sheet A - Water Body Identification

2005 JUN 15 AM 7: 23

Water Body Name; (from USGS 7.5' quad)	St. John's Ch.	ROTECTION PROG
8-digit HUC: 10302	200	
Missouri WBID #:	1650	
County:	Franklin	
Upstream Legal Description:		
Downstream Legal Description:		
Upstream Coordinates: (UGS 84, ddd.ddddd)	99990 91, 200 39	1 /38. 455
Downstream Coordinates: (UGS 84, ddd.ddddd) & OO S	91, 12685 / 38.46558	
Discharger Facility Name(s):		
Discharger Permit Number(s):		
Number of Sites Evaluated:	5 (plus levera)	
Name of Surveyor and Telephone Num	nber Mary Clark 573-526-10	02
Organization:	mone	
Position:	ESTE	

St. Johns Cr (C) #1680 Franklin County



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site) Site Location Description: Missouri WBID#: 5th John C. Site GPS Coordinates Facility Name: Date & Time: Personnel: Permit Number: Current Weather Conditions: Weather Conditions for Past 7 days: Photo Ids: Upstream: Dowfistream: Other: Uses Observed*: ☐ Skin diving SCUBA diving ☐ Tubing Water skiing □ Swimming □ Wading ☐ Rafting □ Wind surfing □ Kayaking Boating None of the above ☐ Hunting C Trapping ☐ Fishing Other: Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) ☐ Campgrounds □ City/county parks ☐ Playgrounds ☐ MDC conservation lands Urban areas ☐ Stairs/walkway □ Boating accesses State parks □ National forests ☐ Nature trails ☐ Fence ☐ Steep slopes Other:~ □ No trespass sign Evidence of Human Use*: ☐ Dock/platform ☑ Roads ☐ Foot paths/prints Livestock Watering RV/ATV Tracks ☐ Fishing Tackle Rope swings ☐ Camping Sites ☐ Fire pit/ring ☐ NPDES Discharge

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004

☐ Other:

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

.. Page Two - Data-Sheet B for WBID # 1686-604

Stream Mor Unstream		/: Physical Dir	nensions:					
A Riffle	Width (8 Ave	g. Depth (ft):	0.1	Max. Depth (ft):	0,15
Run	Width (i	to: 15	Length (ft):	70 Av	g. Depth (ft):	0.5	Max. Depth (ft):	0.7
☐ Poel	Width (ft):	Length (ft):	Αvį	g. Depth (ft):		Max. Depth (ft):	
☐ Flow	Present?	∆ Yes	□ No		mated (ft /sc	•		
Downstre	am Vie	w Physical	Dimensions:		25V. X	elocity	0.8-54/50	c
Riffle	Width (f		Length (ft):	la Avs	g. Depth (ft):	0.3	Max. Depth (ft):	Ø.3
□ Kun	Width (f	0: 25	Length (ft):	50 AV	g. Depth (ft):	0,3	Max. Depth (ft):	0.5
Pool	Width (ft):	Length (ft):	Avį	g. Depth (ft):		Max. Depth (ft):	***
☐ Flow	Present?	□ √ res	□ No	Esti	mated (ft³/sec	c):		
Water Char	acterist	10 70°	nt of vegetation or Conspiculation of Conspicula	10-0°26	6 Ela	E Graw.	Other:	
Color:		□ Clear	☐ Green	☐ Gray		Milky		urbied
Bottom De	posit:	☐ Sludge	☐ Solids	The sec	-	None	Other:	
Surface De	posit:	□ Oil	☐ Scum	☐ Foam	<u>D</u> 8:	None	Other:	
*This informati comprehensive decision on the	ion is not to understant recreation signed,	to be used sole ding of water a use analysis hereby affir d accurate.	ely for removal of conditions. Consi- but may point to c	a recreational usequently, this ir onditions that r	ise designation iformation is need further a	n but rather is not intended t nalysis or that	iews) to this form to provide a more to directly influence effect another use. ation reported of	a
•		/					,	
Organization	i: <i>12</i> 7	IDNK			Position: _	ESIL		

1680_001 DS





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#:	80 -00	<u></u>	Site Location I	Description:			
Site GPS Coordinates: 9			Dean	Bridge on 185	Himel		
Date & Time: 6-6	7-15 3	: 15	Facility Name:				
Personnel:	Clark		Permit Number	::	7. T.		
Current Weather Condition	11 01 -	Aci	Weather Condi	tions for Past 7 days:	in yesterday		
Photo Ids: Upstream:		nstream: 3	16 Othe		7		
	, ,						
Uses Observed*:					Т		
☐ Swimming	Skin diving	□ sct	JBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boa	ting	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fish	ing	None of the above	☐ Other:		
ourrounding Conditions	· ·	romote or imp	pede recreational	· -	nce or unusual		
☐ City/county parks	☐ Playgrounds	☐ MDC cor	servation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks	☐ National	forests	☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ Fence	☐ Steep slop	es	☑ Other Sacm	and		
Evidence of Human Use	:*:						
Roads	☐ Foot paths/prin	ts 🗆 D	ock/platform	☐ Livestock Watering	☐ RV / ATV Tracks		
☐ Rope swings	☐ Camping Sites	□ Fi	re pit/ring	☐ NPDES Discharge	☐ Fishing Tackle		
□ Other:	ew Bri	Age -	lofs of	Rig Rag			

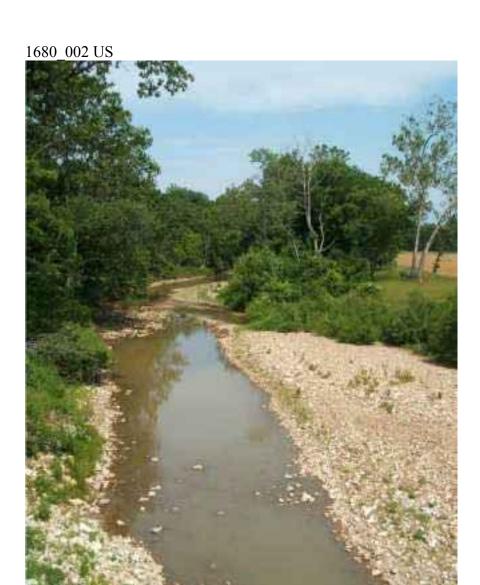
Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - Data Sheet B for WBID # /450-00?

Stream Morphology: Upstream View Physical Dimensions: Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Width (ft): Length (ft): 60 Avg. Depth (ft): Max. Depth (ft): Width (ft); Length (ft): Avg. Depth (ft): Max. Depth (ft): Pool Pool Y Yes Estimated (17 /300): ☐ Flow Present? □ No 1,5 St/Sec. Downstream View Physical Dimensions: Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): ☐ Riffle Width (ft): Leogth (ft): Avg. Depth (ft): Max. Depth (ft): 💋 🤰 🖾 Run 30 Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Pool Estimated (ft³/sec): ☐ Flow Present? Yes □ No Substrate*: (These values should add up to 100%.) % Cobble % Gravel % Sand % Silt % Mud/Clay % Bedrock Aquatic Vegetation *: (note amount of vegetation or algal growth at the assessment site) occasional macrophyles in creek & on Bor Water Characteristics*: (Mark all that apply.) Odor: □ Sewage □ Muskv □ Chemical ○None Other: G-Green 1:03 Color: 🗎 Gray ☐ Clear ☐ Milky Other: Bottom Deposit: □ Sludge Solids Fine sediments □ None C Other: Surface Deposit: Mary None □ Oil □ Scum □ Foam □ Other: Comments: Please attach additional comments (including information from interviews) to this form. *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Organization:





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#:	1680-00	3	Site Location	•	
Site GPS Coordinates:			Bala	te's Forel r	d. + St. Jeh
Date & Time: 6-9-			Facility Name	- H. C. F.	
Personnel: Mari	Clark		Permit Numbe	r.	
Current Weather Condi			Weather Cond	itions for Past 7 days:	in gertenday
Photo Ids: Upstream:	320 Dow	vnstream: 3	19: Ott	er:	
es Observed*:					
□ Swimming	☐ Skin diving	□ scr	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□ Boa	ating	☐ Wading	☐ Rafting
	(T) T	☐ Fish	ning	☐ None of the above	Other: Grave
Describe: (include num?	er of individuals rec	reating, freque	ency of use, phot	o-documentation of evidence	of recreational uses, etc.)
rrounding Condition			· · · · · · · · · · · · · · · · · · ·	uses. Attach photos of evide	
rrounding Condition		promote or im	· · · · · · · · · · · · · · · · · · ·		
rrounding Condition	ns*: (Mark all that p	promote or im	pede recreational	uses. Attach photos of evide	ence or unusual
rrounding Conditions of interest.) City/county parks	ns*: (Mark all that p	promote or imp	pede recreational nservation lands forests	uses. Attach photos of evide	ence or unusual
rrounding Condition ns of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or imp	pede recreational nservation lands forests	uses. Attach photos of evide Urban areas Nature trails	campgrounds
rrounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that p Playgrounds State parks Fence	oromote or imp ☐ MDC con ☐ National ☐ Steep slo	pede recreational nservation lands forests	uses. Attach photos of evide Urban areas Nature trails	campgrounds
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	Playgrounds Playgrounds State parks Fence	oromote or imp MDC con National Steep slo	pede recreational nservation lands forests	uses. Attach photos of evide Urban areas Nature trails	Campgrounds Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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.. Page Two - Data Sheet B for WBID # 16 80 - 003

tream Morp ' Upstream		sical Di	mensions:				
	Width (ft):		Length (ft):	Avg. Dept	h (ft):	Max, Depth (ft)	:
Run	Width (ft):	40	Length (ft):	80 Avg. Dept	h (ft): 0,2	🏂 Max. Depth (ft)	Ø 3
<u> </u>	Width (ft):		Length (ft):	Avg. Dept	h (ft):	Max. Depth (ft)	:
☐ Flow	Present?	Yes	□ No	Estimated	(ft³/sec):		
Downstrea	ım View l	<i>y</i> .	Dimensions:	e.	Vignated	vel 0.744.	2sec
	Width (ft):	12		Avg. Dept	h (ft): Q /3	Max. Depth (ft)	0.2
-	Width (ft):		Length (ft):	Avg. Dept		Max. Depth (ft)	
☐ Pool	Width (ft):		Length (ft):	Avg. Dept	h (ft):	Max. Depth (ft)	:
☐ Flow	Present?	Ŭ r Yes	□ No	Estimated	(ft³/sec):		
Ater Chara Odor: Color:	5	%	of stran	algal growth at the as	<u></u>	Other:	
Bottom Depo		Sludge	☐ Solids	☐ Fine sediments		M Other: al	Fre 1
Surface Depo	4.	Oil	☐ Scum	□ Foam	None	☐ Other:	
This information omprehensive un coision on the re	n is not to be nderstanding ecreation us gned, her	e used soking of water e analysis	eiy for removal of a conditions. Conse- but may point to co	recreational use desi quently, this informat anditions that need fur	gnation but rathe tion is not intendenther analysis or t	erviews) to this form it is to provide a more and to directly influence that effect another use.	e a
This information omprehensive un ecision on the retail, the undersing atasheet is to	n is not to be nderstanding acceptation us gned, her rue and a	e used sole g of water e analysis reby affi	eiy for removal of a conditions. Conse- but may point to co rm to the best o	recreational use desi quently, this informat anditions that need fur	gnation but rathe tion is not intendenther analysis or to that all infor	r is to provide a more ed to directly influence hat effect another use. mation reported	e a

September 29, 2004



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: /	680 - 00	4	Site Location D	•	_
Site GPS Coordinates:		8,455	31 Bridge	on E. Casco ra	d. over ST. Tol
Date & Time: 6 9		:49	Facility Name:		
Personnel: Mary	Clark.		Permit Number:		
Current Weather Conditi		1da	Weather Condit	ions for Past 7 days:	wined yesterda
Photo Ids: Upstream:		vnstream;	322 Othe	r:	7
Uses Observed*:					
	☐ Skin diving		SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping		Fishing	None of the above	Other:
				,	
Surrounding Condition tems of interest.)	IS*: (Mark all that p	promote o	or impede recreational t	ses. Attach photos of evide	nce or unusual
Surrounding Condition tems of interest.)	15*: (Mark all that p		or impede recreational to C conservation lands	uses. Attach photos of evide	nce or unusual
tems of interest.)		□мо			
City/county parks	☐ Playgrounds	☐ MD	C conservation lands	☐ Urban areas	☐ Campgrounds ☐ Stairs/walkway
City/county parks Boating accesses	☐ Playgrounds ☐ State parks ☐ Fence	☐ MD	C conservation lands onal forests p slopes	☐ Urban areas ☐ Nature trails	☐ Campgrounds ☐ Stairs/walkway
□ City/county parks □ Boating accesses □ No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MD	C conservation lands onal forests p slopes	☐ Urban areas ☐ Nature trails ☐ Other: ☐	☐ Campgrounds ☐ Stairs/walkway
City/county parks Boating accesses No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MD0 ☐ Nati ☐ Stee	C conservation lands onal forests p slopes Cauld hear	Urban areas Nature trails Other: Farm Lids playing did	□ Campgrounds □ Stairs/walkway Cent In 4 5 e cony

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004 -

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Page Two - Data Sheet B for WBID # 120fo - 004

Upstream Vi											
Ç x Riffile Wi	idth (ft):	18	Length (ft):	18	Avg, Depth (12	Max. Depth (0,4	<u>/</u>
□ Run Wi	idth (ft):	,	Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
Pool Wi	idth (ft):	3 5	Length (ft):	40	Avg. Depth (ft): 🚤	<i>i</i> 0	Max. Depth (ft):	>2	.5
☐ Flow Pre	esent?	Yes	□ No		Estimated (ft	3/sec):					
Downstream	View P	<u>bysical</u>	Dimensions:								
☐ Riffle Wi	idth (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):		
□_Run Wi	idth (ft):	25_	Length (ft):	150	Avg. Depth (ft): / ,	5	Max. Depth (ft):	_ و. خ	_ -
□ Pool Wi	idth (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (R):		
☐ Flow Pre	esent?	▼ Yes	□ No	<u> </u>	Estimated (ft	3/sec):					
ibstrate*: (Th		s should a		€ % San	.5	% Silt		% Mud/Clay	_	% Be	dro
			nt of vegetation	- /				lose gre	هيد	ien	yo.
ater Characte	UGa. eristics*	27 /	15% of	g 5 hea	em Cov	ered			8ei	in	yo.
ater Characte	Uga eristics*	7 / : (Mark :	15% % all that apply.)	g 5 hea	em Cov	ereck	, 0	☐ Other:			1
ater Characte Odor: Color:	eristics*	: (Mark : Sewage	all that apply.) Musky Green	g 5 hea	em Cov	None	, 0	Other:	Fu	bid	
ater Characte	eristics*	: (Mark : Sewage Clear Sludge	15% % all that apply.)	g 5 hea	emical	ereck	, 0	☐ Other:	our Fu		
Ater Characte Odor: Color: Bottom Deposi Surface Deposi omments: Plea This information is imprehensive under cision on the recre the undersign atasheet is true	eristics* eristics* st:	: (Mark a sewage Clear Sludge Oil th addition to used sole to of water analysis eby affi- ccurate.	all that apply.) Musky Green Solids Scum onal comment ely for removal o conditions. Con but may point to	Chescon Grand Gran	emical ay e sediments am ng informational use design nis information hat need furth nowledge, t	None Milky None None None In from the part of the part	intervi- ather is ended to or that of or that	Other: Other: Other: Other: ews) to this feto provide a more directly influence feet another unition reported	fuv orm. re nce a se.	bid this U	
Odor: Color: Bottom Deposi	eristics* eristics* st:	: (Mark a sewage Clear Sludge Oil th addition to used sole to of water analysis eby affi- ccurate.	all that apply.) Musky Green Solids Scum onal comment ely for removal o conditions. Con but may point to	Chescon Grand Gran	emical ay e sediments am ng informational use design nis information hat need furth nowledge, t	None Milky None None None In from the part of the part	intervi- ather is ended to or that of or that	Other: Other: Other: Other: ews) to this feto provide a more directly influence feet another unition reported	fuv orm. re nce a se.	bid this U	



1680_003 DS





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#:	680-005 1, 12685 38,	416558	Site Location D	escription: Bridge over 3	St. John's Greek
Date & Time: 6-9-0	55 5.1	5	Facility Name:		
Personnel: Mar-4			Permit Number:	· ·	
Current Weather Conditi	-		Weather Condit	ions for Past 7 days:	ained yestera
Photo Ids: Upstream:	323 Down	nstream:	324 Othe		1
					_
es Observed*:		·			
	☐ Skin diving	☐ SCT	JBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boa	ting	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	□ Fish	ing	₩ None of the above	□ Other:
Describe: (include numb				1. x 4	
rrounding Condition	18*: (Mark all that n	romote or imp	pede recreational I	uses. Attach photos of evide	ence or unusual
rrounding Condition	18*: (Mark all that n	romote or imp	pede recreational I	*. .	ence or unusual
rrounding Condition	ns*: (Mark all that p	romote or imp	pede recreational unit of the servation lands	uses. Attach photos of evide Lhugh-Should h	mee or unusual
rrounding Condition as of interest.)	15*: (Mark all that processed in Playgrounds	romote or imp	pede recreational unit of the servation lands forests	uses. Attach photos of evide Lhigh-Should h	nce or unusual mpecle Clobby Co
rrounding Condition us of interest.) City/county parks Boating accesses	Mark all that produce Playgrounds State parks Fence	romote or imp rod , B MDC cor	pede recreational unit of the servation lands forests	uses. Attach photos of evide Lhigh-Should hard build	nce or unusual mpecke Classify Classify Campgrounds Stairs/walkway
rrounding Condition ns of interest.) City/county parks Boating accesses No trespass sign	Mark all that produce Playgrounds State parks Fence	romote or improd. B MDC con National	pede recreational unit of the servation lands forests	uses. Attach photos of evide Lhigh-Should hard build	nce or unusual mpecke Cleb Old Cl Campgrounds Stairs/walkway
rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign	(Mark all that produced in Playgrounds State parks Fence	romote or improd. B MDC con National SXSteep slop	pede recreational unit of the servation lands forests	uses. Attach photos of evide Lhigh-Should ha Urban areas Nature trails Other: Fund	conce or unusual mpccle accelle a Campgrounds Stairs/walkway Falson and

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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.. Page Two - Data Sheet B for WBID # 1680 - 90 5

Stream Morp Upstream	-	sical Di	mensions:				
□ X Riffle	Width (ft):	5		Avg. Dept	h (ft): 0-6	Max. Depth (ft)	0.7
Run	Width (ft):	40		O Avg. Dept	h (ft): 2,0	Max. Depth (ft)	=3.0
☐ Pool	Width (ft):		Length (ft):	Avg. Dept		Max. Depth (ft)	
☐ Flow	Present?	t X (Yes	□ No	Estimated			
Downstrea	ım View P	hysical	Dimensions:	U	elocity o	V. 1.541	500
	Width (ft):		Length (ft):	Avg. Dept	h (ft):	Max. Depth (ft)	<u> </u>
(X Run	Width (ft):	2.5	Length (ft):	60 Avg. Dept	h (ft): 2,0	Max. Depth (ft)	43.0
□ Pool	Width (ft):		Length (ft):	Avg. Dept	h (ft):	Max. Depth (ft)	:
☐ Flow	Present?	₩ Yes	□ No	Estimated	(ft³/sec):		
Water Chara			vered	macrophy	Jan gr	oute pas	<u> </u>
Odor:		Sewage	an that apply.) ☐ Musky	☐ Chemical	None	☐ Other:	_
Color:		Clear	□ Green	☐ Gray	☐ Milky	Okother: Fax	a lied
Bottom Dep	1.	Sludge	☐ Solids	Fine sediment		☐ Other:	
Surface Dep	osit: 🗆 (Oil	□ Scum	□ Foam	₩ None	☐ Other:	
*This informatio comprehensive u decision on the re	n is not to be inderstanding ecreation use	e used sole g of water e analysis	ely for removal of conditions. Consi- but may point to c	(including inform a recreational use desi equently, this informa conditions that need fu of my knowledge	gnation but rather tion is not intended of their analysis or the	is to provide a more I to directly influence at effect another use.	⊋ a
datasheet is t	rue and a	ccurate.	lost	Date:	6-9-0	05	